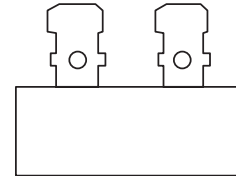


## FEATURES

- 1). Surge overload rating: -200~400 Amperes peak
- 2). Low forward voltage drop
- 3). Mounting position: Any
- 4). Electrically isolated base-1800 Volts
- 5). Solderable 0.25" FASTON terminals
- 6). Materials used carries U/L recognition

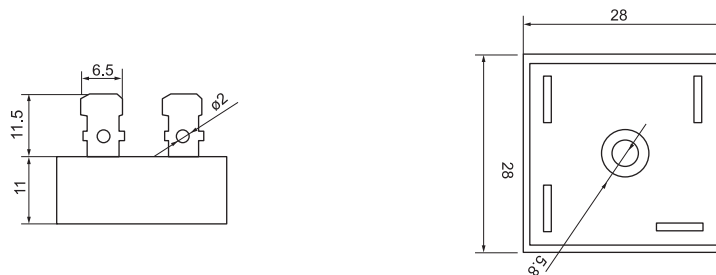


## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

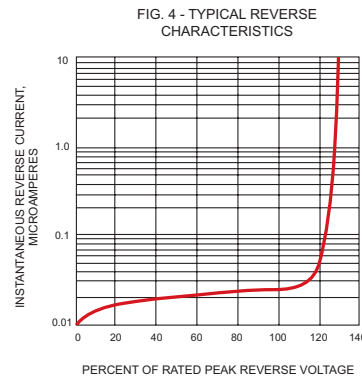
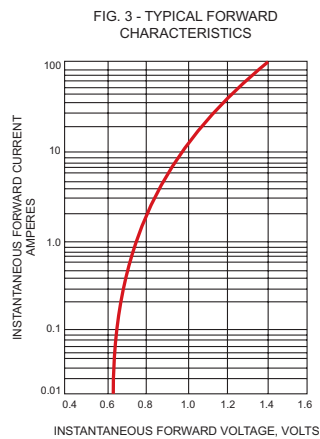
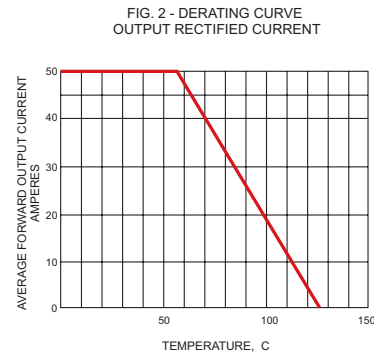
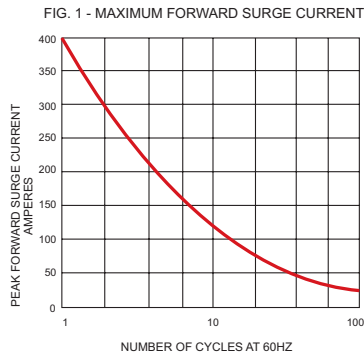
(Single-phase, half-wave, 60HZ, resistive or inductive load rating at 25 , unless otherwise stated, for capacitive load, derate current by 20%)

| Parameter  | Symbol      | KBPC 5008   | Units            |
|--|-------------|-------------|------------------|
| Maximum recurrent peak reverse voltage   | $V_{RRM}$   | 800         | V                |
| Maximum RMS voltage  | $V_{RMS}$   | 560         | V                |
| Maximum DC blocking voltage  | $V_{DC}$    | 800         | V                |
| Maximum average forward rectified current at $T_c=55^\circ\text{C}$                              | $I_{F(AV)}$ | 50          | A                |
| Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) | $I_{FSM}$   | 400         | A                |
| Maximum instantaneous forward voltage drop per element at  | $V_F$       | 1.2         | V                |
| Maximum DC reverse current at rated DC blocking voltage per element                              | $I_R$       | 10.0        | $\mu\text{A}$    |
|  |             | 500         |                  |
| Operating temperature range  | $T_J$       | -55 to +150 | $^\circ\text{C}$ |
| Storage and operation junction temperature   | $T_{STG}$   | -55 to +150 | $^\circ\text{C}$ |

## OUTLINE



## RATING AND CHARACTERISTICS CURVES



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